



## SEQUENCE LISTING

<110> YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW

<120> ACETYLCHOLINESTERASE-DERIVED PEPTIDE AND USES THEREOF

<130> 7811/WO/99

<140> IL130224

<141> 1999-05-31

<160> 9

<170> PatentIn Ver. 2.1

<210> 1

<211> 26

<212> PRT

<213> HOMO SAPIENS

<400> 1

Gly	Met	Gln	Gly	Pro	Ala	Gly	Ser	Gly	Trp	Glu	Glu	Gly	Ser	Gly	Ser
1				5				10						15	

Pro	Pro	Gly	Val	Thr	Pro	Leu	Phe	Ser	Pro
		20						25	

<210> 2

<211> 40

<212> PRT

<213> HOMO SAPIENCE

<400> 2

Asp	Thr	Leu	Asp	Glu	Ala	Glu	Arg	Gln	Trp	Lys	Ala	Glu	Phe	His	Arg
1				5				10						15	

Trp	Ser	Ser	Tyr	Met	Val	His	Trp	Lys	Asn	Gln	Phe	Asp	His	Tyr	Ser
			20					25					30		

Lys	Gln	Asp	Arg	Cys	Ser	Asp	Leu
		35					40

COPY OF PAPERS  
ORIGINALLY FILED

<210> 3  
 <211> 27  
 <212> PRT  
 <213> HOMO SAPIENS

<400> 3  
 Phe His Arg Trp Ser Ser Tyr Met Val His Trp Lys Asn Gln Phe Asp  
           1                          5                          10                          15  
 His Tyr Ser Lys Gln Asp Arg Cys Ser Asp Leu  
                           20                          25

<210> 4  
 <211> 42  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:5' primer for  
           intron 4 of human acetylcholinesterase

<400> 4  
 gctggatcca tcgaggggag aggtatgcag gggccagcgg gc  
 42

<210> 5  
 <211> 30  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:3' primer for  
           intron 4 of human acetylcholinesterase

<400> 5  
 tataagcttc tagggggaga agagaggggt  
 30

<210> 6  
 <211> 37

<212> PRT

<213> homo sapiens

<400> 6

Asn	Arg	Phe	Leu	Pro	Lys	Leu	Leu	Ser	Ala	Thr	Gly	Met	Gln	Gly	Pro
1				5					10					15	

Ala	Gly	Ser	Gly	Trp	Glu	Glu	Gly	Ser	Gly	Ser	Pro	Pro	Gly	Val	Thr
			20					25						30	

Pro	Leu	Phe	Ser	Pro
				35

<210> 7

<211> 53

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:arp-two hybrid  
screen peptide

<400> 7

Pro	Leu	Glu	Val	Arg	Arg	Gly	Leu	Arg	Ala	Gln	Ala	Cys	Ala	Phe	Trp
1				5					10					15	

Asn	Arg	Phe	Leu	Pro	Lys	Leu	Leu	Ser	Ala	Thr	Gly	Met	Gln	Gly	Pro
			20					25						30	

Ala	Gly	Ser	Gly	Trp	Glu	Glu	Gly	Ser	Gly	Ser	Pro	Pro	Gly	Val	Thr
			35				40						45		

Pro	Leu	Phe	Ser	Pro
				50

<210> 8

<211> 67

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:ASP - peptide  
for two-hybrid screen

<400> 8

Pro Leu Glu Val Arg Arg Gly Leu Arg Ala Gln Ala Cys Ala Phe Trp  
1 5 10 15

Asn Arg Phe Leu Pro Lys Leu Leu Ser Ala Thr Asp Thr Leu Asp Glu  
20 25 30

Ala Glu Arg Gln Trp Lys Ala Glu Phe His Arg Trp Ser Ser Tyr Met  
35 40 45

Val His Trp Lys Asn Gln Phe Asp His Tyr Ser Lys Gln Asp Arg Cys  
50 55 60

Ser Asp Leu  
65

<210> 9

<211> 317

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:homology of ARP  
and RACK

<400> 9

Met Thr Glu Gln Met Thr Leu Arg Gly Thr Leu Lys Gly His Asn Gly  
1 5 10 15

Trp Val Thr Gln Ile Ala Thr Thr Pro Gln Phe Pro Asp Met Ile Leu  
20 25 30

Ser Ala Ser Arg Asp Lys Thr Ile Ile Met Trp Lys Leu Thr Arg Asp  
35 40 45

Glu Thr Asn Tyr Gly Ile Pro Gln Arg Ala Leu Arg Gly His Ser His  
50 55 60

Phe Val Ser Asp Val Val Ile Ser Ser Asp Gly Gln Phe Ala Leu Ser

65					70						75					80
Gly	Ser	Trp	Asp	Gly	Thr	Leu	Arg	Leu	Trp	Asp	Leu	Thr	Thr	Gly	Thr	
				85					90					95		
Thr	Thr	Arg	Arg	Phe	Val	Gly	His	Thr	Lys	Asp	Val	Leu	Ser	Val	Ala	
			100					105					110			
Phe	Ser	Ser	Asp	Asn	Arg	Gln	Ile	Val	Ser	Gly	Ser	Arg	Asp	Lys	Thr	
			115				120					125				
Ile	Lys	Leu	Trp	Asn	Thr	Leu	Gly	Val	Cys	Lys	Tyr	Thr	Val	Gln	Asp	
	130					135					140					
Glu	Ser	His	Ser	Glu	Trp	Val	Ser	Cys	Val	Arg	Phe	Ser	Pro	Asn	Ser	
145					150					155					160	
Ser	Asn	Pro	Ile	Ile	Val	Ser	Cys	Gly	Trp	Asp	Lys	Leu	Val	Lys	Val	
			165						170					175		
Trp	Asn	Leu	Ala	Asn	Cys	Lys	Leu	Lys	Thr	Asn	His	Ile	Gly	His	Thr	
			180					185					190			
Gly	Tyr	Leu	Asn	Thr	Val	Thr	Val	Ser	Pro	Asp	Gly	Ser	Leu	Cys	Ala	
		195					200					205				
Ser	Gly	Gly	Lys	Asp	Gly	Gln	Ala	Met	Leu	Trp	Asp	Leu	Asn	Glu	Gly	
	210					215					220					
Lys	His	Leu	Tyr	Thr	Leu	Asp	Gly	Gly	Asp	Ile	Ile	Asn	Ala	Leu	Cys	
225					230					235					240	
Phe	Ser	Pro	Asn	Arg	Tyr	Trp	Leu	Cys	Ala	Ala	Thr	Gly	Pro	Ser	Ile	
				245					250					255		
Lys	Ile	Trp	Asp	Leu	Glu	Gly	Lys	Ile	Met	Val	Asp	Glu	Leu	Lys	Gln	
			260					265					270			
Glu	Val	Ile	Ser	Thr	Ser	Ser	Lys	Ala	Glu	Pro	Pro	Gln	Cys	Thr	Ser	
		275					280					285				
Leu	Ala	Trp	Ser	Ala	Asp	Gly	Gln	Thr	Leu	Phe	Ala	Gly	Tyr	Thr	Asp	
	290					295					300					

Asn Leu Val Arg Val Trp Gln Val Thr Ile Gly Thr Arg  
305 310 315